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ABSTRACT

Based on enrollment, building area and parking area projections, the development plan describes very briefly these areas of development: parking and housing, administration, athletics, academic departments, libraries, museums, related community and commercial services, transportation, land acquisition, and the neighborhood. Very detailed sketches illustrate these descriptions. (HH)

ED037053

UNIVERSITY OF PENNSYLVANIA

CAMPUS DEVELOPMENT PLAN.

EF 001 742

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Third Printing -- August, 1961

Second Edition -- February, 1963

Third Edition -- April, 1966

F O R E W O R D

This printing represents the third edition of the University of Pennsylvania Campus Development Plan. Its predecessors are the report to the President which was titled "An Element of the Continuing Planning Program -- University of Pennsylvania Development Plan" (March 1961) and the "University of Pennsylvania Development Plan" prepared for presentation to the Philadelphia City Planning Commission and the Philadelphia Redevelopment Authority (February 1963). Both previous editions are out of print, but are available for reference in the University Planning Office.

The authority for this edition is the plan for physical plant development approved by the Trustees of the University on May 19, 1961, the Integrated Development Plan for the University approved by the Trustees on May 4, 1962, and the Trustees' approval on May 14 and on October 15, 1965 of revisions to the physical development plan as shown on the map reproduced in this publication and titled "Campus Development Plan -- 1975."

In a series of actions taken by the City Planning Commission during 1961, much of what is described in this program was approved and incorporated into the redevelopment area plan for University City. In subsequent actions by the Philadelphia City Council, the Campus Development Plan and Program has been approved (June 23, 1964) and an Institutional Development District has been established in accordance with the provisions of the City's zoning code to encompass a major portion of the Campus development area (December 13, 1965).

The present printing of the original report leaves unchanged numerous earlier references to what was then being proposed for consideration by the appropriate City agencies (e.g., land acquisition program and street closings). With the adoption of the City's urban renewal program for University City and the establishment of the Institutional Development District for the campus area (both during 1965), it is now possible to speak in terms of the Campus Development Program as it has been projected by the University, accepted by the community, and is in the process of being implemented.

The cover for this edition shows the map of the central University campus as it was in 1958 before the active new construction program commenced.

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E V O L U T I O N O F T H E P L A N

The present form of the University's Development Plan began to evolve with the 1913 "Preliminary Report and Plan for the Future Development of University Property and Buildings and the Conservation of Surrounding Territory."

On January 9, 1948 the Philadelphia City Planning Commission certified the "University Redevelopment Area" to be an official part of the City's urban renewal program.

During 1948 a later phase of the Trustees' "Plan of Development" was completed and publicized.

In 1950 the Philadelphia City Planning Commission incorporated the elements of the 1948 Plan in the certified urban renewal plan for University City.

With the commencement of the Educational Survey in 1953, the University embarked upon an intensive continuing planning program which has included the:

- Critical self-examination of educational program, policy, and goals (i.e., Educational Survey);

- Establishment of a Committee in 1954 to develop a Campus plan for landscaping and planting;

- Collation and analysis of physical plant needs (this work was commenced during 1955, included the coordinated contributions of many University officials and special faculty-administration committees);

- Commencement of staff work on a revision of the Trustees' 1948 development plan during the 1956-57 academic year and the continuing staff and committee work that has taken place during the past six years;

- Establishment of the Advisory Committee on Planning;

- Production of a working scale model of the Campus, at 1 inch equals 40 feet;

- Establishment of the University Planning Office in the Office of the President during the Fall of 1959;[1] and

- Establishment of the Executive Planning Committee on the Physical Plant in January 1962.

The planning dealt with here is concerned with the buildings and spaces, both open and enclosed, that are required by the University to accomplish its expressed academic and professional goals. Such an enterprise recognizes the relationship that exists among the several levels of plan preparation and implementation: the formulation of University objectives and policy, fiscal and administrative planning, planning for the long-range development of the physical environment, and identification and use of the means for implementation.

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1. The Office for Coordinated Planning was established in January 1963 and the University Planning Office was placed within the purview of the Vice-President for Coordinated Planning.

In addition to presenting the University's Development Plan, this statement identifies the considerations and standards that are involved in the preparation and maintenance of a plan.

An official University Development Plan is a guide. It should reflect the policy and objectives of the University at a given point in time. It establishes the general location of individual buildings, their estimated volume requirements, and their relationship with each other.

The University's responsiveness to the changing requirements of society and contemporary life will cause it to maintain a constant vigil over its goals and policies -- and this may be expected to affect the Plan. Changing policies, changing objectives, widening educational horizons are evident even as this statement is being prepared and are given voice in the President's Report for 1959:[1]

> "As the attitude of our nation toward higher education matures, it becomes incumbent upon institutions continuously to evaluate their objectives, assess the policies being pursued toward objectives, and improve their techniques for implementing these policies. Only thus will the universities serve society adequately in their essential functions."

Among the considered purposes of this statement and Plan is to transmit to those who may follow a legacy of inspiration, beauty, order, and efficiency which will permit them to make the changes and provide for the expansion they will envision for the University in their time.

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1. Assaying A University, Report of the President, 1959, University of Pennsylvania.

G O A L S • S T A N D A R D S • D E S I G N
O B J E C T I V E S

The purpose of the Development Plan is to create and maintain a physical environment that will enable the University to accomplish the aims described in its Educational Survey. The following are the goals, standards, and design objectives which are implicit in the Plan. The standards are to be used as general guides.

1. Unity

   It is the object of the Plan to create a Campus possessed of internal unity and external identification.

2. Functional Organization

   The Plan brings together activities which can benefit from mutual association.

3. Pedestrian Campus

   The Plan provides for a pedestrian oriented Campus and, within the academic area, seeks to maintain reasonable walking distances.

4. Land Use and Building Coverage

   The Plan translates the space and location requirements of the University's various functions into land area and land use requirements. It establishes the general land use, location, and open space frame within which a specific improvement project shall be designed and constructed.

5. University Continuity Through Architecture

The University recognizes that the continuity and communication it provides from generation to generation is most evident in its buildings and grounds; and that, for this reason, it is both necessary and desirable to create and then treasure the best in the contemporary architecture of any one era.

University construction policy places a high value upon quality for permanence, for fitness of purpose, and for the harmonious juxtaposition of different architectural eras in the University's development. The architecture of the University is meant to portray continuity over the centuries; to link the past with the present and the future.

6. An Environment for Learning

The University will directly or indirectly endeavor to foster a residential community of students and faculty in the immediate Campus neighborhood. This effort will include the construction of additional undergraduate and graduate student housing on the Campus; it will attempt to increase the present proportion of undergraduate students who live in University owned or supervised housing; it will attempt to increase the proportion of graduate students living on or near the Campus; and it will attempt to increase the number of faculty members and their families residing in the vicinity of the University.

7. Campus Circulation and Transportation

The Plan attempts to separate vehicular and pedestrian traffic movement at the critical points of juncture.

Off-street parking facilities are provided as one element of the comprehensive transportation system serving the Campus.

8. University Residence System

The development standards and design objectives presented below have been accepted as the basis for the evolution of an overall system of University student residence.

A. Undergraduate Housing System

(1) Among the objectives of the Development Plan for undergraduate student housing are:

(a) By 1970, to house every undergraduate in a unit that is either owned or supervised by the University[1]; and, thereafter, to maintain this housing standard and requirement.

(b) To carry out an accelerated University undergraduate residence construction program in accordance with the standards described below.

(2) Utilize the existing undergraduate men's and women's residence halls to provide the following for first year students:[2]

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1. "Owned or supervised by the University" is defined as being either a dormitory in the University housing system, a fraternity-sorority, or the home of a commuting student.

2. The following housing provisions for first year students are under review. The possibility of housing first year students with upper class students is, for example, being studied.

(a) Residence units distinct from those provided for upper-class students.

(b) Separate dining commons, with all resident first year students taking meals in the freshmen commons.

(c) Separate freshman lounge (including sufficient space for the commuting freshmen).

(d) Indoor and outdoor intramural recreational facilities.

(e) Study areas and lockers for first year commuting students to encourage the individual student's association and identification with his or her group.

(3) Provide new residence facilities in individual units for upper class students. Each unit will house approximately 300 students. Among the standards and design objectives for each housing unit are the following:[1]

---

1. The following document, completed since the above was written, presents essential information on the University's undergraduate housing program: "Development Program for Undergraduate Men's Housing," Group for Planning and Research, Inc., Philadelphia, 1962.

(a) Density of approximately 150 students per acre.

(b) Approximately 300 gross square feet of building space per student.

B. Housing for Graduate and Professional Students

University housing facilities for advance degree students will be made available without regard to school, department, or area of special interest. Such housing will be constructed in accordance with standards established by the University.

9. Commercial Service Area[1]

The Plan recognizes the need for expanded and improved on-campus facilities which will provide the University population with the comprehensive commercial services it requires.

10. Open Space

Wherever possible each Campus open space shall have a program use, e.g. group assembly, outdoor classes, individual study, intramural sports, relaxation, sun bathing, informal meeting.

11. Architectural Coordination

Continuation of the President's established program for architectural control, design criticism, and coordination.

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1. See footnote on page 30.

12. Classroom Use

Maximum utilization of existing classroom space.

13. Superblock

The Plan maintains and extends the superblock pattern established by the Trustees' Plan of 1948.

Continuing Review and Judgement

The Plan and program for University development must be more than an accumulation of needs. An overall planning judgement must be constantly exercised by the Trustees and the President in evaluating individual building programs, and space and facility requirements.

The exercise of such review and determination is made particularly important by the University's urban location, the short supply and high cost of available land, the need to control and coordinate individual elements of the University's building program, and the limited amount of construction and maintenance funds.

A S S U M P T I O N S • P R O J E C T I O N S [1]

Student Enrollment

The projections for the period 1961-71 are presented in Table 1.

Building Space and Campus Area Requirements

Each projected square foot building figure has been verified as to its necessity by the responsible head of the activity or functional area concerned. The product achieved by these deliberations and this study has established the extent and purpose of the new building floor space required; and, by derivation through the application of the development standards for building coverage and floor area-site area ratio, to determine the extent of the additional land required to meet the University's need for expansion over the next fifteen years.

Parking

An analysis of the University's parking requirements has produced the findings and projections shown in Table 2 by University population group.

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1. The information presented in this section has been revised and brought up-to-date by the following documents:
   a. "The University of Pennsylvania Enrollment Projection 1960-80," Office of University Data Processing and Research, January 27, 1965.
   b. Report projecting University educational, physical, and financial development to 1970 (Integrated Development Plan) approved by the Trustees on May 4, 1962.
   c. Institutional Development District for University of Pennsylvania Campus, approved by the Philadelphia City Council, December 13, 1965. Includes descriptive building statistics.
   d. "Transportation To and From the Campus," University Planning Office, March 1964.

Table 1

Existing and Projected Student Enrollment, 1961-71[7]

	Academic Year		Percent Increase 1961-71
	1961-62	1970-71	
Full-Time			
Undergraduate Men	4,000[1,6]	5,400[6]	35.0
Univ. House System	1,450	2,900	
Men's Fraternities	725	950	
Non-Univ. Campus Housing	950	250	
Living at home	875	1,300	
Undergraduate Women	1,600[2,6]	2,400[6]	50.0
Univ. House System	750	1,300	
Women's Fraternities	150	150	
Living at home	700	950	
Graduate & Professional	4,500[3,6]	6,500[6]	44.4
Total Full-Time	10,100	14,300	41.6
Part-Time			
Undergraduate	3,700[4]	3,700[7]	0.0
Graduate & Professional	3,000[5]	4,000[7]	33.3
Total Part-Time	6,700	7,700	16.7
Total Enrollment	16,800	22,000	31.0

1. Rounded enrollment figure for full time Undergraduate Men "Degree" students-as of 2/1/62. "Certificate" (0) and "Special" (8) undergraduate students are not included in this figure.
2. Rounded enrollment figure for full-time Undergraduate Women "Degree" students as of 2/1/62. "Certificate" (389) and "Special" (19) undergraduate students are not included in this figure.
3. Rounded enrollment figure for full-time "Graduate" and "Professional" students as of 2/1/62.
4. Rounded enrollment figure for part-time undergraduate students as of 2/1/62. Figure includes "Degree" (231), "Certificate" (61) and "Special" (3,416) students.
5. Rounded enrollment figure for part-time "Graduate" and "Professional" students as of 2/1/62.
6. Source: UofP Integrated Development Plan, 1962; pages 67,68,69.
7. Source: Based upon estimates prepared by the Operations Committee of the Integrated Development Committees, 1/62.

Table 2

Total Existing and Projected Essential
Off-Street Parking Requirements
of
University Population and Visitors
1960-61 and 1970

	Number of Spaces	
	1960-61	1970
Full-Time Students[1]	600	2,160
University Personnel	1,350	1,865
Visitors to University	450	225
TOTAL	2,400	4,250

1. The University's studies show that the off-street parking needs of part-time students will be adequately served by the complement of full-time student spaces, because part-time students will be using the same spaces during off-peak hours.

PLAN DESCRIPTION[1]

The present University Campus, as illustrated on the Existing Land Use Map and the Existing Functional Areas Map, occupies 140 acres. The Development Plan calls for the addition of 110 acres.

Functional Areas

The University's existing and projected plant requirements, as reported in the previous chapter, have been grouped by functions.

The Plan provides for the integration of new classroom construction with departmental units wherever possible. The Plan recognizes the need for general purpose lecture halls at various locations on the Campus.

The Existing and Proposed Functional Areas maps identify the present and future academic and student housing areas, and those facilities which attract heavy public use. In addition, for University planning purposes, the academic areas have been broken down into smaller functional divisions. These functional groupings are expected either to establish or maintain a reasonable walking distance among most, if not all, of the anticipated points of origin and destination.

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1. Except for the map titled "Campus Development Plan -- 1975," the maps and illustrations in this section were prepared for the February, 1963 edition. The 1963 edition maps and illustrations represent, among other things, the Campus boundary line then under consideration. The 1975 map represents the plans for Campus development as it stands approved at the present time.

The arrangement of the smaller functional areas is discussed briefly below:

Administration

Student oriented administrative functions will continue to occupy space in College Hall and, if necessary, Logan Hall. Other business and staff functions need to be grouped and convenient to the Office of the President, but they can be off the Campus center. The western end of the block presently bounded by 34/Walnut/36/Sansom Streets has been designated for central non-student oriented administrative purposes.

Athletics

The River Fields (with an improved field facility) will continue to provide necessary playfield space during the two stages[1] of the Plan.

The athletic plant fronting upon 33rd Street between Walnut and Spruce Streets (Franklin Field, Palestra, Hutchinson Gymnasium, Squash Courts, J. William White House, Weightman Hall, and the Tennis Courts) will also continue to provide necessary indoor and outdoor facilities during the next two major stages[1] of University development.

An athletic facility is proposed for the block bounded by 37/Walnut/38/Sansom Streets to serve the needs of the undergraduate students who will be housed in the western area of the Campus. This will also reinforce the community related facilities that exist and are proposed for the adjoining block on the north which is bounded by 37/Sansom/38/Chestnut Streets.

Toward the end of the current development period, it is expected to be propitious to commence negotiations to

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1. Through 1975.

41
40
39
38
37
36
MARKET ST.
LUDLOW ST.
CHESTNUT ST.
SANSOM ST.
MORAVIAN ST.
WALNUT ST.
CHANCELLOR ST.
LOCUST ST.
IRVING ST.
SPRUCE ST.
DELANCEY ST.
PINE ST.
FREE LIBRARY OF PHILA.
ST. MARY'S P.E. CHURCH
BALTIMORE AVE.
WOODLAND AVE.
WOODLANDS MANSION
UNIVERSITY AVE.
CURIE AVE.
UNIVERSITY OF PENNSYLVANIA DEVELOPMENT PLAN BOUNDARY
UNDER NEGOTIATION WITH CITY, EXACT BOUNDARIES TO BE DETERMINED
RESIDENTIAL
VACANT RESIDENTIAL
COMMERCIAL
INDUSTRIAL
UNIVERSITY OF PENNSYLVANIA
OTHER PUBLIC, SEMI-PUBLIC, & INSTITUTIONAL.
CEMETERY
VACANT NON-RESIDENTIAL
P PARKING (MORE THAN 15 CARS)

UNIVERSITY OF PENNSYLVANIA
development plan
EXISTING LAND USE

0 1 2 3 4 5 6 7 8 900'

UNIVERSITY OF PENNSYLVANIA PLANNING OFFICE
FEBRUARY 1963

41
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39
38
37
36
34
MARKET ST.
LUDLOW ST.
CHESTNUT ST.
SANSOM ST.
MORAVIAN ST.
WALNUT ST.
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UNIVERSITY OF PENNSYLVANIA DEVELOPMENT PLAN BOUNDARY
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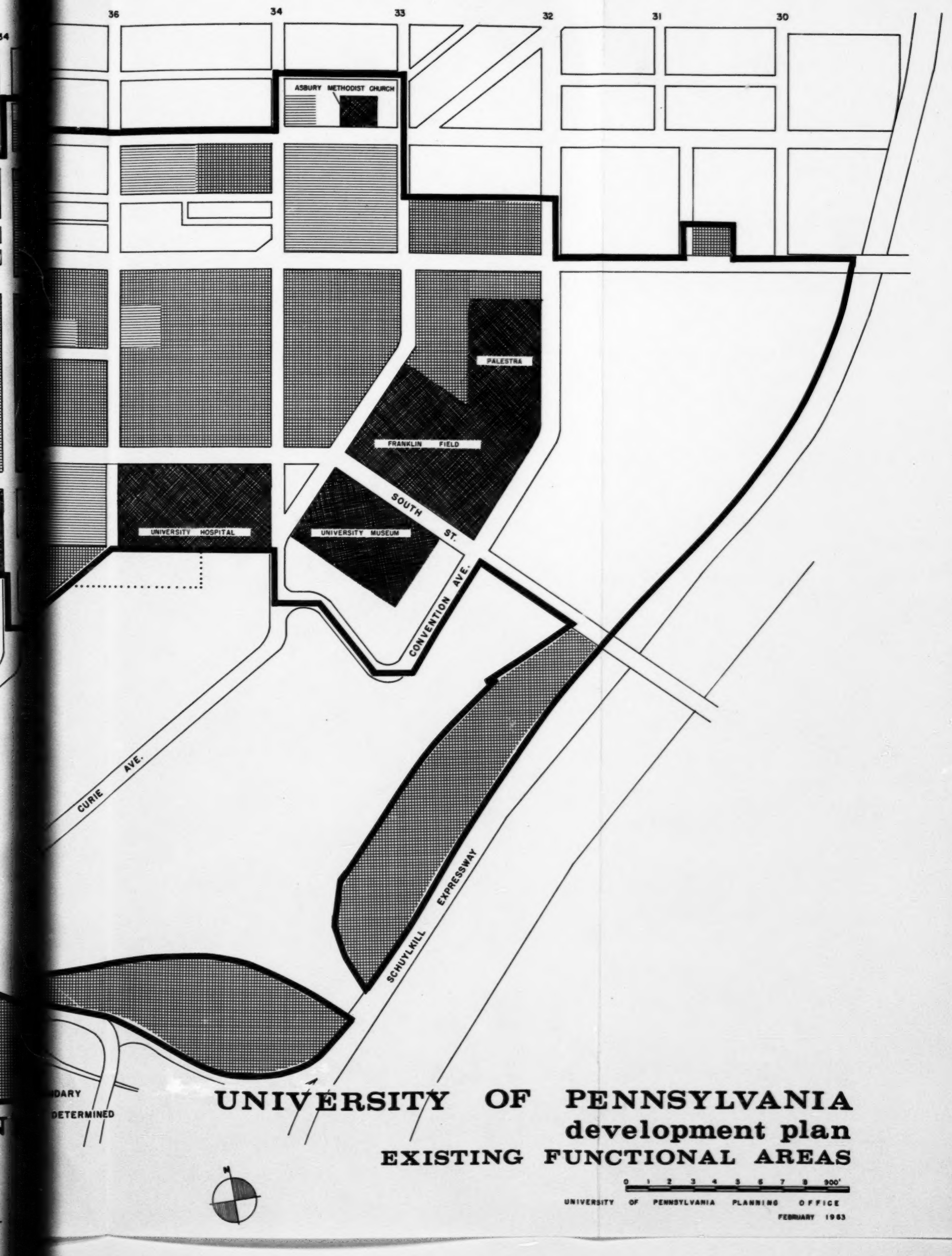
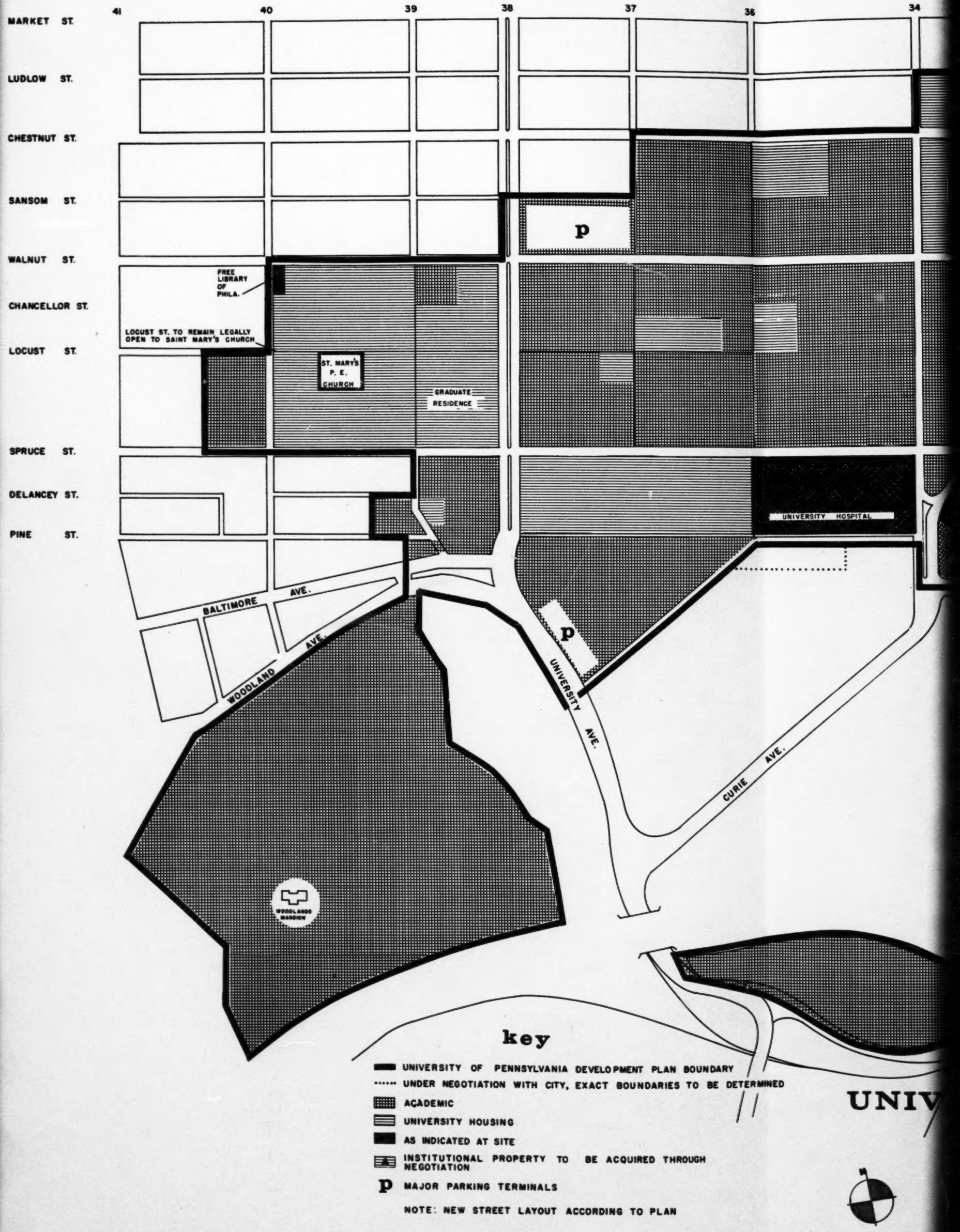


UNIVERSITY OF PENNSYLVANIA
development plan
EXISTING FUNCTIONAL AREAS

0 1 2 3 4 5 6 7 8 900'

UNIVERSITY OF PENNSYLVANIA PLANNING OFFICE

FEBRUARY 1963


41
40
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34
MARKET ST.
LUDLOW ST.
CHESTNUT ST.
SANSOM ST.
WALNUT ST.
CHANCELLOR ST.
LOCUST ST.
SPRUCE ST.
DELANCEY ST.
PINE ST.
FREE LIBRARY OF PHILA.
LOCUST ST. TO REMAIN LEGALLY OPEN TO SAINT MARY'S CHURCH
ST. MARY'S P. E. CHURCH
GRADUATE RESIDENCE
UNIVERSITY HOSPITAL
BALTIMORE AVE.
WOODLAND AVE.
UNIVERSITY AVE.
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UNIVERSITY OF PENNSYLVANIA DEVELOPMENT PLAN BOUNDARY
UNDER NEGOTIATION WITH CITY, EXACT BOUNDARIES TO BE DETERMINED
ACADEMIC
UNIVERSITY HOUSING
AS INDICATED AT SITE
INSTITUTIONAL PROPERTY TO BE ACQUIRED THROUGH NEGOTIATION
P MAJOR PARKING TERMINALS
NOTE: NEW STREET LAYOUT ACCORDING TO PLAN
UNIV

UNIVERSITY OF PENNSYLVANIA
development plan
PROPOSED FUNCTIONAL AREAS

0 1 2 3 4 5 6 7 8 900'

UNIVERSITY OF PENNSYLVANIA PLANNING OFFICE.
FEBRUARY 1963

acquire Woodlands Cemetery. This will add 50 acres for intramural and intercollegiate field sports. (It is also anticipated that the Woodlands site will, because of its topography, provide the area that may be required to construct underground facilities for physical science research and other educational or research uses.)

Graduate-Professional

A graduate-professional center is proposed for a major portion of the block presently bounded by 34/Walnut/36/Sansom Streets. In addition, the block bounded by 36/Walnut/37/Chestnut will be used for graduate, professional, research and other academic purposes. These academic uses will be related to the University and Graduate Libraries that will be located along Walnut Street on the College Hall block.

Housing

The Plan includes provision for University and University associated housing in order to accomplish the goal of a University Undergraduate House System, and to maintain a balanced and invigorating environment for learning. Toward these ends, the "on-campus" and "near-campus" neighborhood will take the form of increased undergraduate residence halls, graduate and professional student dormitories and apartments, and faculty apartments and renovated housing. The density in the graduate/professional student apartment area will be approximately 100 DU or 250 people per acre. The block designated for Undergraduate student housing which is bounded by 33/Walnut/34/Chestnut Streets and the Undergraduate student housing block bounded by 39/Spruce/40/Walnut Streets are but two examples of the effort that will be made in this regard during the next fifteen years. The block bounded by 33/Chestnut/34/Ludlow Streets will also be developed for Undergraduate student housing, as shown on the Campus Development Plan.

Humanities

The Humanities are identified for continued location in Bennett Hall and the College Hall section of the Campus.

Libraries

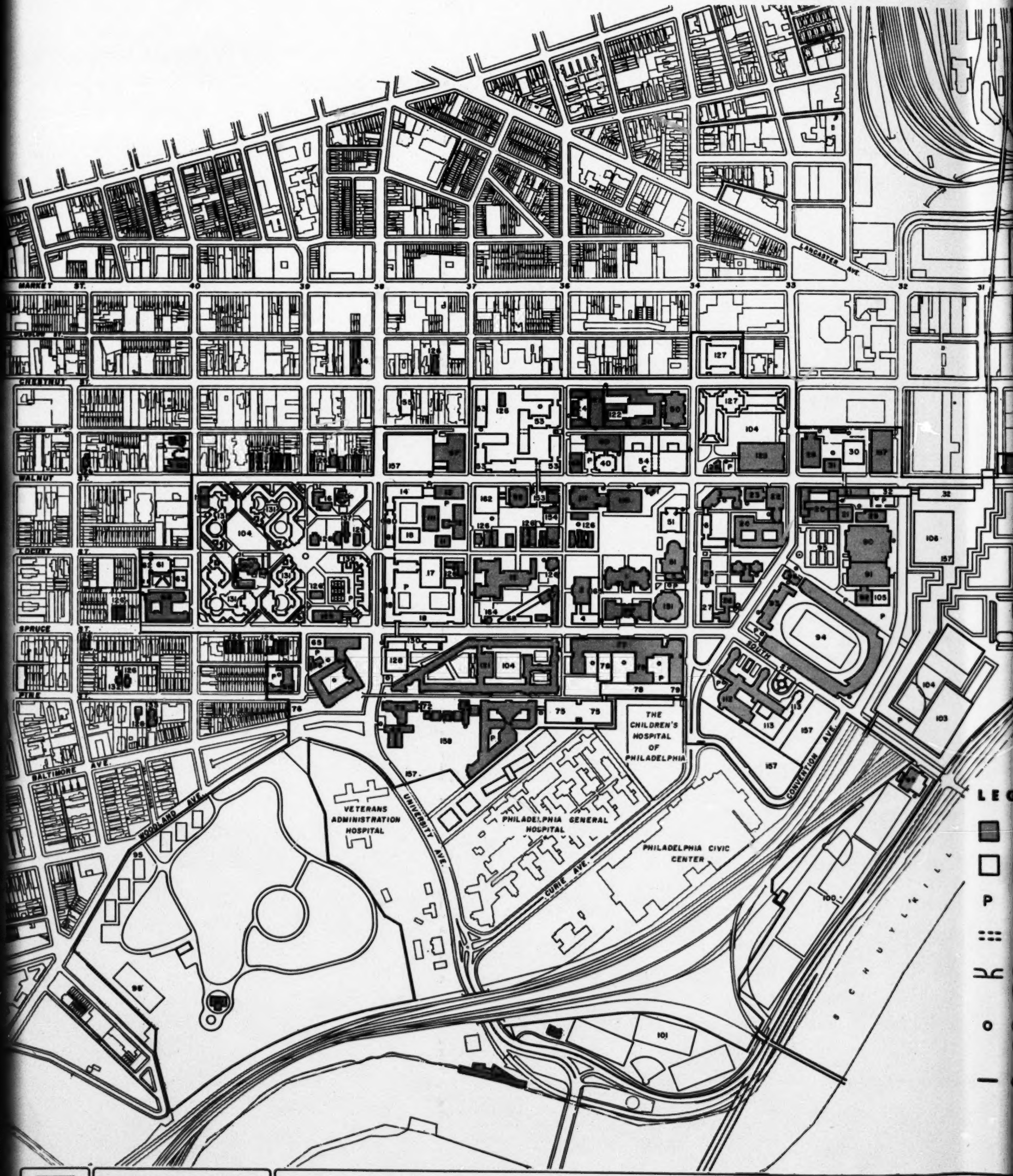
The heart of the University Library System will be established on the south side of Walnut, between 34th and 36th Streets, with the University and Graduate Libraries. These will continue to be supplemented by the libraries serving specific disciplines, e.g. Fine Arts, Law, Medicine, Biology, Social Work, and the University Museum.

Life Sciences

The Plan provides for the further development of the Medical Center in the Medical School-University Hospital area; and for expansion (and, where necessary, renovation and redevelopment) of the Medical-Biological complex in the several other areas which it currently occupies on Campus.

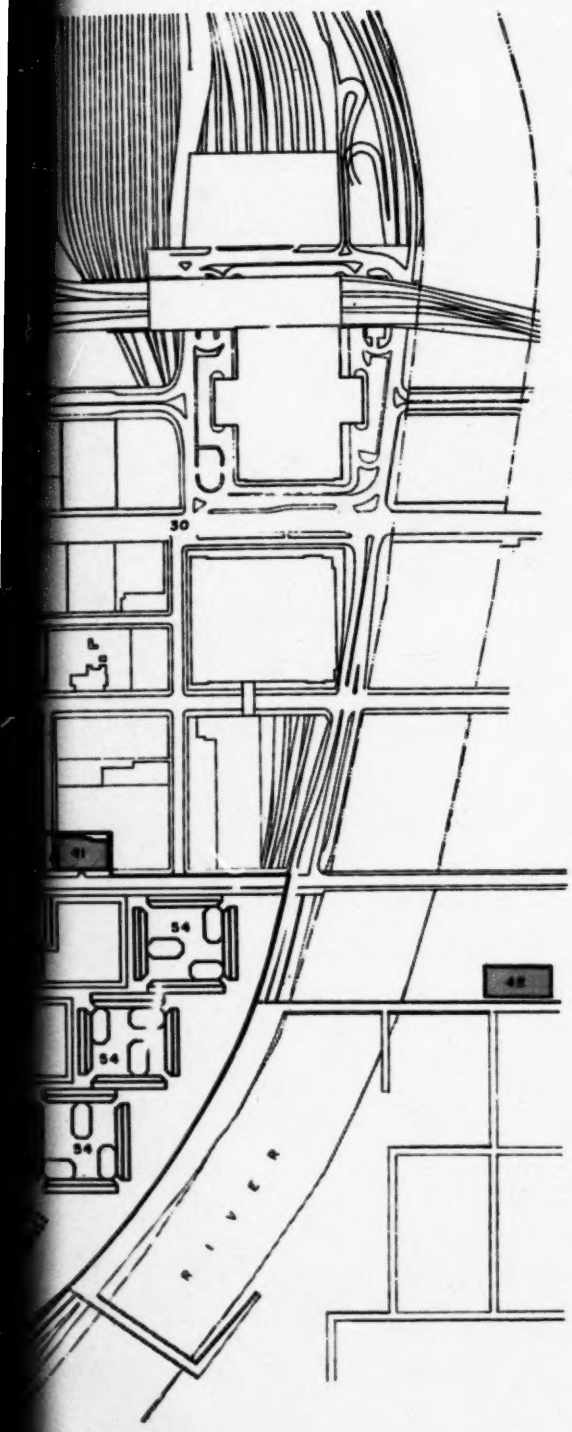
Physical Sciences and Engineering

The Plan provides for the expansion of the Physical Sciences and Engineering elements in their present location and establishes a new Physical Sciences Research area on the block presently bounded by 32/Walnut/33/Sansom Streets. It also provides, as noted below, for the expansion of the Physical Sciences Research area into at least a portion of the area (some of it air space over the railroad tracks) bounded by Walnut Street, the Schuylkill River, the South Street Bridge, and the present eastern boundary of the Campus between Walnut and South Streets.



UNIVERSITY of PENNSYLVANIA
UNIVERSITY PLANNING OFFICE

CAMPUS DEVELOPMENT PLAN — 1975



LEGEND

- EXISTING BUILDINGS
- FUTURE BUILDINGS
- P PARKING
- ARCHWAY
- CURB CUT ACCESS TO PARKING FACILITIES AND SERVICE DRIVE
- OFF-STREET LOADING FACILITIES *denotes entrance to facility when located at curb cut*
- CAMPUS DEVELOPMENT PLAN BOUNDARY

OCTOBER 15, 1965

HUMANITIES AND LIBERAL ARTS

1 COLLEGE HALL
2 LOGAN HALL
3 BENNETT HALL
4 HUMANITIES BUILDING
5 FACULTY STUDIES
6 ACADEMIC FACILITIES *(Including Mathematics)*
162 CENTER for COMMUNICATION ARTS and SCIENCES

SOCIAL SCIENCES

10 DEPARTMENT of PSYCHOLOGY
11 SCHOOL of SOCIAL WORK
12 JOINT-USE BUILDING
13 SCHOOL of EDUCATION
14 SCHOOL of EDUCATION EXPANSION
15 DIETRICH HALL *(Wharton School of Finance and Commerce)*
16 FELS INSTITUTE of LOCAL and STATE GOVERNMENT
17 CENTER for ECONOMICS, REGIONAL SCIENCE and SOCIOLOGY
18 SOCIAL SCIENCE EXPANSION
80 SCHOOL of NURSING *(Relocation Site)*
81 SCHOOL of ALLIED MEDICAL PROFESSIONS *(Relocation Site)*

PHYSICAL SCIENCES

20 RITTENHOUSE LABORATORY
21 RITTENHOUSE EXPANSION
22 MOORE SCHOOL of ELECTRICAL ENGINEERING
23 MOORE SCHOOL GRADUATE RESEARCH CENTER
24 TOWNE SCHOOL of CIVIL and MECHANICAL ENGINEERING
25 GENERAL LABORATORIES BUILDING
26 NEW CHEMISTRY LABORATORIES
27 CHEMISTRY EXPANSION *(New Harrison Laboratory)*
28 TANDEM ACCELERATOR LABORATORY
29 LABORATORY for RESEARCH on the STRUCTURE of MATTER
30 PARTICLE PHYSICS LABORATORY
31 DIRECT CURRENT LABORATORY
32 PHYSICS and ENGINEERING EXPANSION
33 GENERAL EXPANSION

ADMINISTRATION AND SERVICES

40 GENERAL SERVICES CENTER
41 GENERAL PURPOSE
42 LIPPINCOTT BUILDING
1 COLLEGE HALL

GRADUATE AND PROFESSIONAL

11 SCHOOL of SOCIAL WORK
13 SCHOOL of EDUCATION
50 LAW SCHOOL
51 SCHOOL of FINE ARTS
52 ANNENBERG SCHOOL of COMMUNICATIONS
53 GRADUATE CENTER *(Graduate School of Arts and Sciences)*
54 ACADEMIC FACILITIES *(Graduate, Professional, Research)*
60 SCHOOL of DENTAL MEDICINE
64 SCHOOL of VETERINARY MEDICINE and VETERINARY HOSPITAL
74 SCHOOL of MEDICINE
162 CENTER for COMMUNICATION ARTS and SCIENCES

LIFE SCIENCES

60 SCHOOL of DENTAL MEDICINE
61 SDM RESEARCH and TEACHING BUILDING
62 SDM RESEARCH and TEACHING EXPANSION
63 SDM POST GRADUATE STUDIES
64 SCHOOL of VETERINARY MEDICINE and VETERINARY HOSPITAL
65 SVM RESEARCH TOWER
66 SCHOOL of ALLIED MEDICAL PROFESSIONS
67 WISTAR INSTITUTE of ANATOMY and BIOLOGY
68 WISTAR INSTITUTE EXPANSION
69 BIOLOGY SERVICE LABORATORY and GREENHOUSES
70 LEIDY LABORATORY of BIOLOGY
71 BIOLOGY BUILDING
72 BIOLOGY EXPANSION
73 RICHARDS MEDICAL RESEARCH BUILDING
74 SCHOOL of MEDICINE
75 MEDICAL TEACHING and RESEARCH EXPANSION
76 MEDICAL PROFESSIONS EXPANSION
77 HOSPITAL of the UNIVERSITY of PENNSYLVANIA
78 HUP EXPANSION
79 MEDICAL OFFICE TOWER
80 SCHOOL of NURSING *(Relocation Site)*
81 SCHOOL of ALLIED MEDICAL PROFESSIONS *(Relocation Site)*
42 LIPPINCOTT BUILDING
158 BOTANICAL GARDEN

PHYSICAL EDUCATION, ATHLETICS AND RECREATION

90 PALESTRA
91 HUTCHINSON GYMNASIUM
92 RINGE SQUASH COURTS
93 WEIGHTMAN HALL
94 FRANKLIN FIELD
95 TENNIS COURTS
96 J. WILLIAM WHITE TRAINING HOUSE
97 GYMNASIUM and POOL
98 WOODLAND ATHLETIC FIELDS
99 MILITARY SCIENCE and ATHLETICS
100 STEWART FIELD
101 MURPHY FIELD
102 MURPHY LOCKER HOUSE
103 FIELDHOUSE and PHYSICAL EDUCATION EXPANSION
104 INTRAMURAL OPEN SPACE
105 SQUASH COURTS EXPANSION
106 ICE SKATING RINK

LIBRARIES AND MUSEUMS

110 VAN PELT LIBRARY
111 DIETRICH LIBRARY
112 UNIVERSITY MUSEUM
113 UNIVERSITY MUSEUM EXPANSION

UNIVERSITY HOUSING AND COMMONS FACILITIES

120 EISENLOHR HALL
121 MEN'S DORMITORIES
122 PEPPER, ROBERTS and STERN DORMITORIES and COMMONS
123 ENGLISH HOUSE
124 KINGS COURT
125 WOMEN'S RESIDENCE HALL
126 FRATERNITIES
127 HOUSE PLAN UNITS
128 FRESHMEN'S COMMONS
129 MAYER GRADUATE STUDENT APARTMENTS
130 STUDENT HOUSING
131 HOUSE PLAN UNITS
132 JOHN MORGAN HOUSE *(4037 Pine St.)*
133 EVANS HOUSE *(Oral Hygienists, 4000 Pine St.)*
134 HARRISON HOUSE *(3815 Chestnut St.)*
135 WALNUT HALL *(40th and Walnut Sts.)*
136 SOUTH HALL *(600 University Ave.)*
137 CHAPLAIN'S RESIDENCE

UNIVERSITY AND RELATED COMMUNITY FACILITIES

150 HOUSTON HALL
151 IRVINE AUDITORIUM
152 SKINNER HALL *(Faculty Club)*
153 FACULTY CLUB EXPANSION
154 HILLEL FOUNDATION *(University Related)*
155 NEWMAN CLUB *(University Related)* *(Relocation Site)*
156 CHRISTIAN ASSOCIATION *(University Related)*
157 PARKING GARAGE
158 BOTANICAL GARDEN
159 FREE LIBRARY of PHILADELPHIA *(Not University Owned)*
160 ST. MARY'S CHURCH *(Not University Owned)*
161 HAMILTON MANSION
162 CENTER for COMMUNICATION ARTS and SCIENCES
163 OFFICE BUILDING *(133 So. 36th St. Not University Owned)*
164 SUBWAY ESCALATOR and STAIRWAY KIOSK
165 STUDENT ACTIVITIES
P PARKING
C CAMPUS SERVICE *(Under Academic and/or Housing Facilities)*

It is anticipated that, upon acquisition, the topography of the Woodlands Cemetery Tract will (if required) permit the construction of research facilities without infringing upon its use for physical education and athletic open space.

Social Sciences

The Social Sciences area will ultimately comprise a major portion of the Campus now bounded by 36/Spruce/38/Walnut Streets.

University Museum

The University Museum area is designated as a separate Campus division because of the nonpareil academic and community functions that are served by the Museum's staff and facility. Provision is made on the Plan for the Museum's scheduled expansion.

University and Related Community Facilities

This term is used on the Plan to include, among other activities, the spiritual organizations (Christian Association, Hillel Foundation, Newman Club), the Faculty Club, Irvine Auditorium, Houston Hall, and on Campus commercial service facilities.

The Plan provides for the relocation of the Newman Club in the vicinity of the Christian Association and Hillel[1]; and for the projected expansion of Hillel. Faculty Club expansion is also provided for.

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1. Since this was originally written, the Newman Club has decided to relocate its facilities to a site adjoining St. James R.C. Church, on the block bounded by 37/Sansom/38/Chestnut Streets.

The Plan recognizes the need to study the expansion requirements of the Houston Hall social and meeting room facilities. One possible means for such expansion may be through the relocation of some activities currently occupying space in Houston Hall.

Commercial Services[1]

The provision of on-Campus commercial service facilities and their relation to the present facilities in Houston Hall, has been considered in the preparation of the Plan.

The Plan proposes to provide enlarged facilities for the University Store. Such facilities will be provided, in whole or in part, in a new location. The Campus area envisioned by the Plan will require additional Campus-oriented commercial centers which should include all or some of the following: a post office, book shop, snack bar, barber shop, shoe repair shop, pharmacy, grocery store, and branch bank. Such services may be supplemented by units in private neighborhood shopping centers.

Schuylkill River Frontage

The Development Plan extends the present eastern boundary of the Campus, between Walnut and South Streets, eastward to the Schuylkill River. This area will be required for the expansion of the Physical Sciences Research area, the

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1. The following document, completed for the University since the above was written, presents a market analysis of and plan for the provision of campus commercial facilities: "The Development of On-Campus Commercial Facilities for the University of Pennsylvania," Hammer and Company Associates, Washington and Atlanta, June, 1963.

construction of related physical sciences facilities, and the extension of other aspects of the University's educational plant. Such expansion may, in part, take the form of developing the air space over the existing railroad trackage and roadway system.

Campus Unity

Buildings, land forms, and open space are used by the Plan to establish a unity through sight; and to protect the academic environment from such contemporary urban distractions and intrusions as vehicular noise. The Plan encourages the architect to make conscious reference wherever possible to such existing on-Campus features as Irvine Steeple, Franklin Field, the Medical-Biological Research Towers, the University Library and University Museum. It is proposed that such cohesive elements as the bells in Irvine Tower tolling the hour and a carillon at a central point on Campus be used to achieve this unity through an identification with University sounds. It is also proposed that the Campus circulation plan and the University Area's entrances and exits contribute to such unity.

Campus Circulation

The Plan provides for a pedestrian and bicycle oriented campus unified by major and minor spaces, enclosed spaces, and greenways; with Locust Walk serving as the main unifying east-west spine. As illustrated by the Land Acquisition Map and the Space and Traffic Sketch, the Plan will require the closing of several street sections (such as Locust Street between 36th and 40th Streets); the pulling together of individual City blocks into major (superblock) Campus development areas; the orientation of Campus buildings to greenways, walkways, and interior quadrangles; pedestrian and bicycle overpasses and underpasses at University Avenue (38th Street) and other major arterials cutting through the

Campus; (to the greatest extent possible) the separation of motor vehicle traffic from the traffic of bicycles and pedestrians; and the planned inter-relation of the Campus' internal circulation pattern to the transportation terminals serving the University (e.g., bus stops, subway kiosks, taxi stands, and off-street parking facilities).

Entrances and Exits

The Plan recognizes and establishes the principal entrances and exits to the University Area.[1] This consideration is among the more difficult because of the fact that the Pennsylvania Campus lies astride a number of major arterial routes.

Transportation

The University has reviewed the complex of transportation facilities serving the Campus and the present transportation requirements of the faculty, students, administrative personnel, and visitors. The University desires to maintain a balanced system of transportation service to the Campus. Off-street parking is one element of such a balanced system.

The location of existing University off-street parking spaces is shown on the Existing Land Use Map. The University's off-street parking requirements and the plan for off-street parking facilities have been determined after special study.[2]

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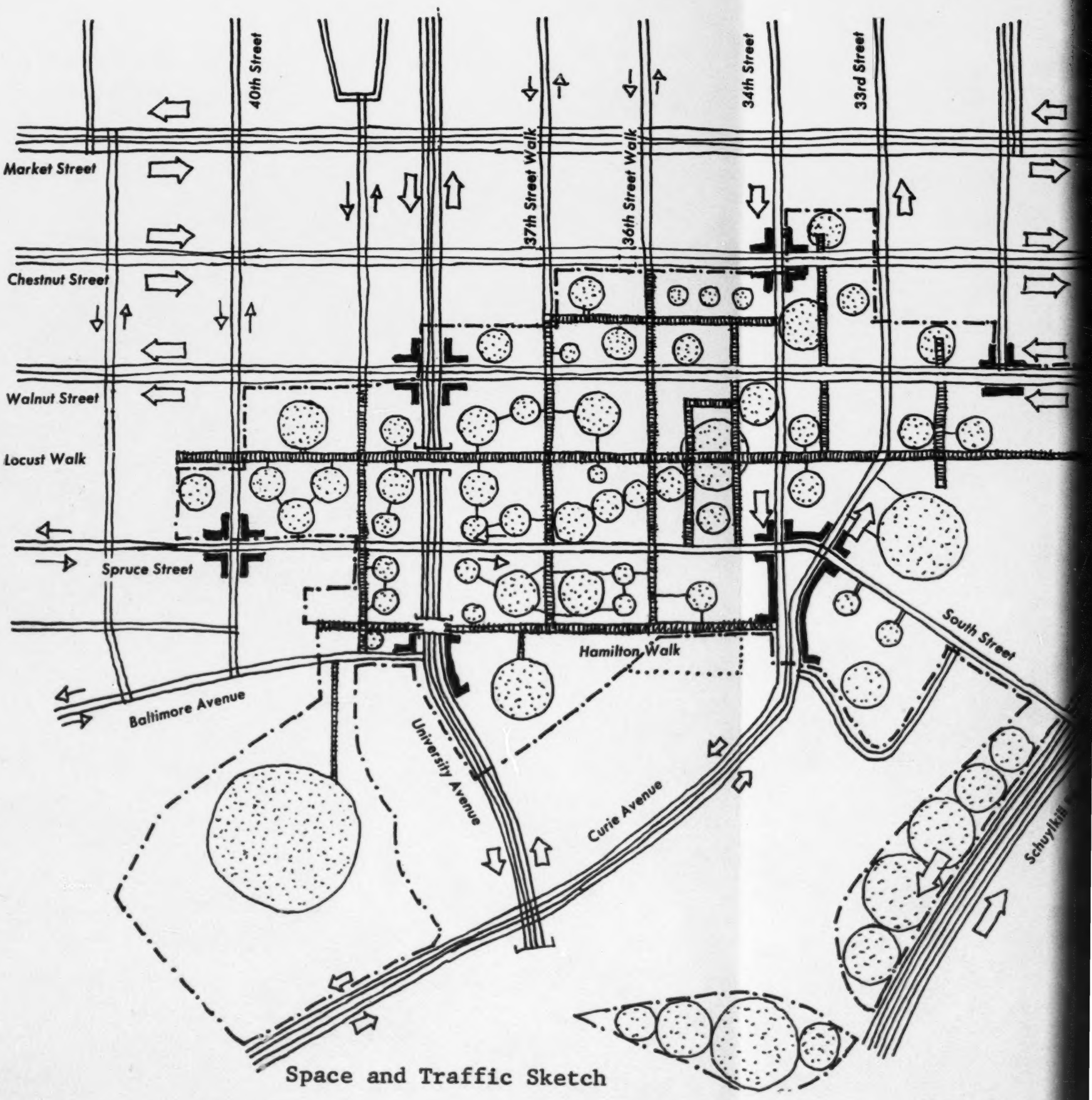
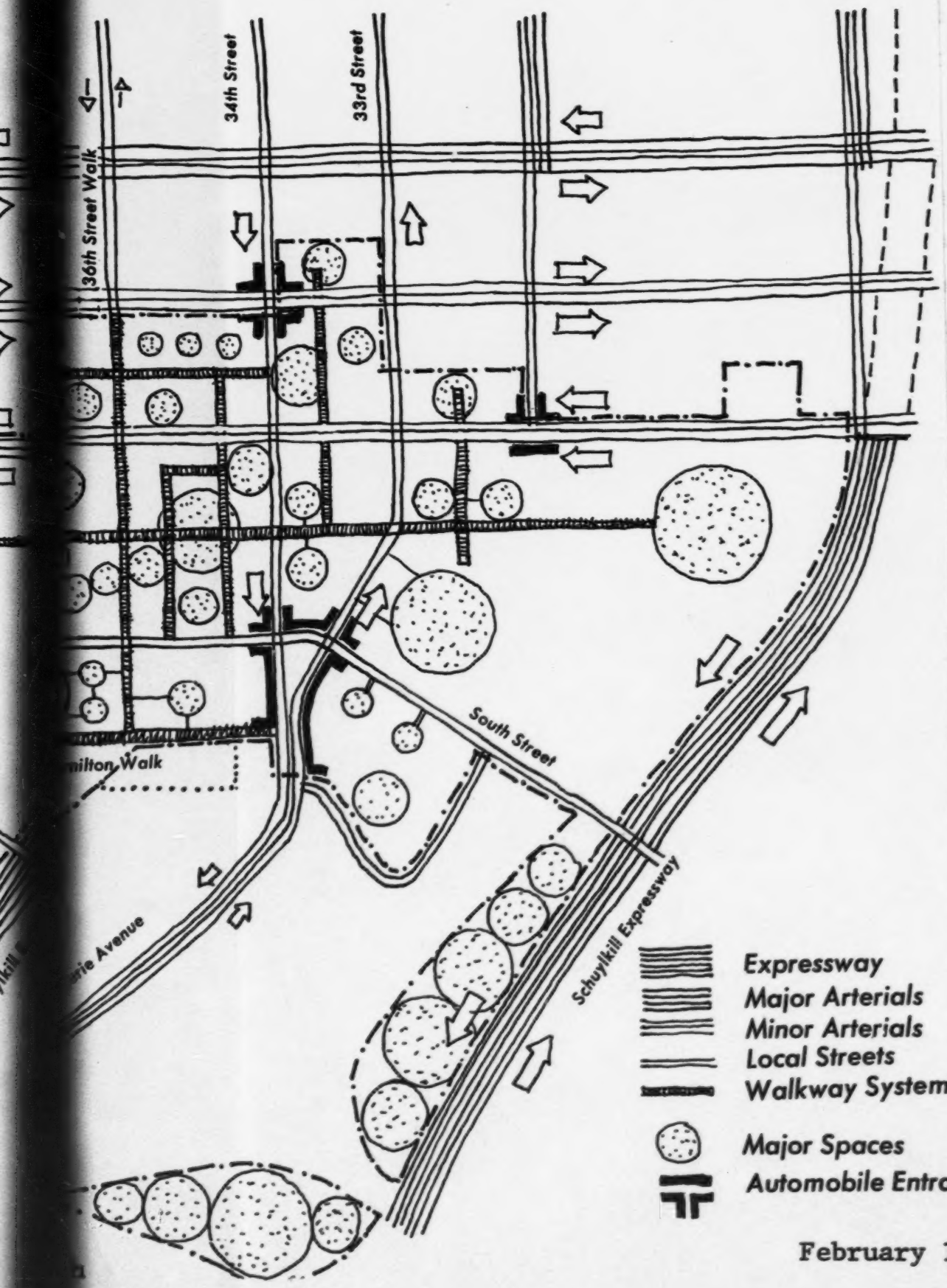
1. See Space and Traffic Sketch.
2. See the following:
   a. "Transportation To and From the Campus," University Planning Office, March 1964.
   b. Institutional Development District for University of Pennsylvania Campus, approved by the Philadelphia City Council, December 13, 1965.



Space and Traffic Sketch



February 1963

As noted on the Campus Development Plan, parking facilities will be provided at major peripheral Campus terminal points and in several smaller facilities serving local areas on the Campus.[1] The parking program will, like everything else in the Plan, be the subject of continuing reappraisal. Parking facilities requirements will be reviewed in terms of the most current information about the transportation needs and habits of faculty, students, administrative personnel, and visitors; the evolution of University policy; the changing pattern of residential location among members of the University family (with the expectation that a larger proportion of students, faculty, and administrative staff members will reside in the University neighborhood by 1970 and 1975); and the availability of alternate means of transportation serving the University area.

Building Density and Intensity of Development

Although the overall Campus gross floor area-site area ratio for the University is 150 percent, the application of this standard on a block by block and site by site basis will vary. The same is true for the application of the building coverage standard of 50 percent. On some project sites development will, by University intent or outside direction,[2] be carried out at a lower density than that permitted by the standards. On others, the site location or the nature of the project may warrant an intensity of development that is greater than that permitted by either or both standards. It is the duty of the University Planning

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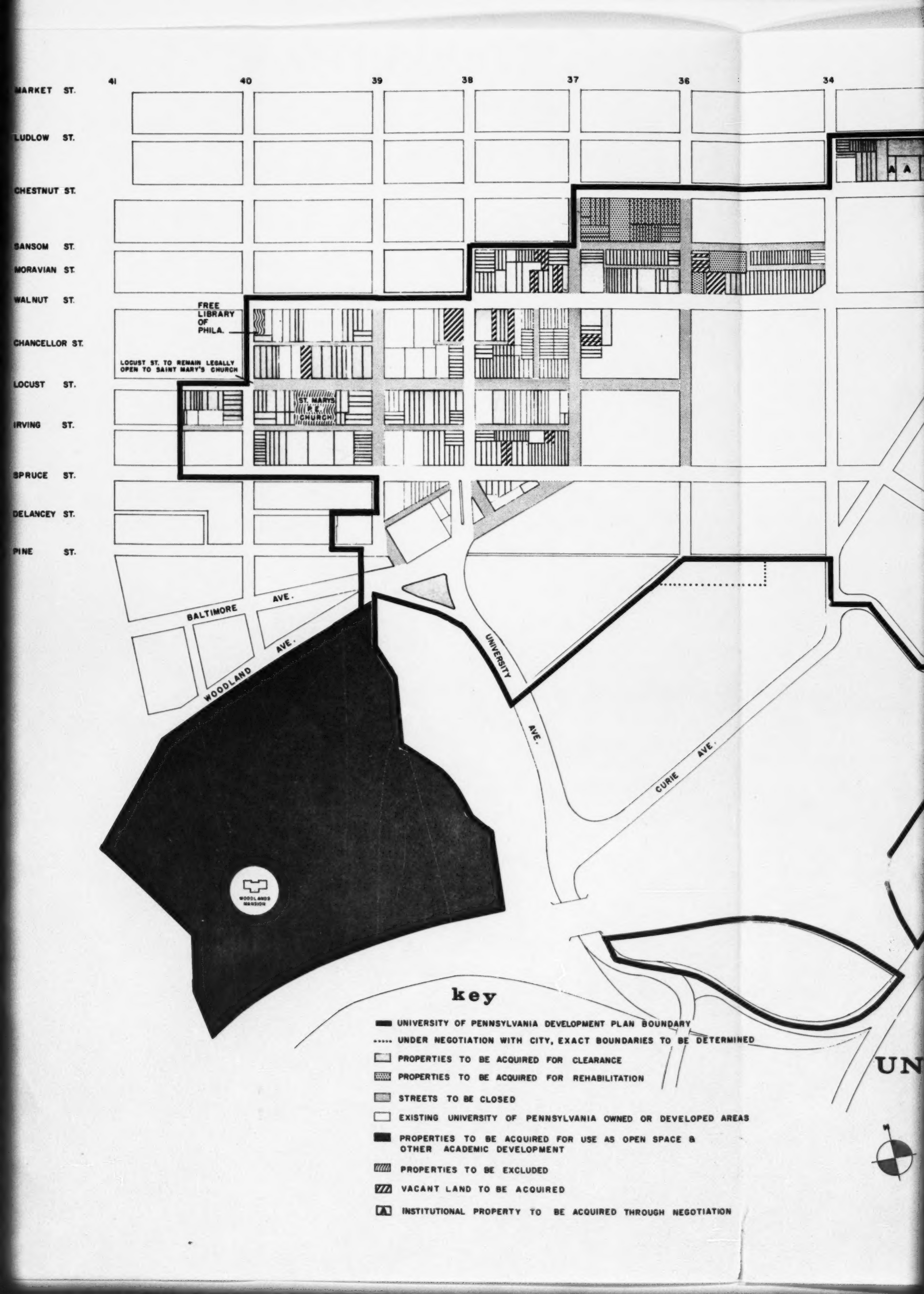
1. The term "parking facilities" refers to both structures and lots.
2. For example, the Philadelphia Redevelopment Authority.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40
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38
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36
34
MARKET ST.
LUDLOW ST.
CHESTNUT ST.
SANSOM ST.
MORAVIAN ST.
WALNUT ST.
CHANCELLOR ST.
LOCUST ST.
IRVING ST.
SPRUCE ST.
DELANCEY ST.
PINE ST.
FREE LIBRARY OF PHILA.
LOCUST ST. TO REMAIN LEGALLY OPEN TO SAINT MARY'S CHURCH
ST. MARYS P.E. CHURCH
A A
BALTIMORE AVE.
WOODLAND AVE.
WOODLANDS MANSION
UNIVERSITY AVE.
CURIE AVE.
key
UNIVERSITY OF PENNSYLVANIA DEVELOPMENT PLAN BOUNDARY
UNDER NEGOTIATION WITH CITY, EXACT BOUNDARIES TO BE DETERMINED
PROPERTIES TO BE ACQUIRED FOR CLEARANCE
PROPERTIES TO BE ACQUIRED FOR REHABILITATION
STREETS TO BE CLOSED
EXISTING UNIVERSITY OF PENNSYLVANIA OWNED OR DEVELOPED AREAS
PROPERTIES TO BE ACQUIRED FOR USE AS OPEN SPACE & OTHER ACADEMIC DEVELOPMENT
PROPERTIES TO BE EXCLUDED
VACANT LAND TO BE ACQUIRED
INSTITUTIONAL PROPERTY TO BE ACQUIRED THROUGH NEGOTIATION
UN

36 34 33 32 31 30

A A

SOUTH ST.

CONVENTION AVE.

CURIE AVE.

SCHUYLKILL EXPRESSWAY

NDARY
TO BE DETERMINED

DEVELOPED AREAS
PACE &

N NEGOTIATION

UNIVERSITY OF PENNSYLVANIA
development plan
LAND ACQUISITION

0 1 2 3 4 5 6 7 8 900'

UNIVERSITY OF PENNSYLVANIA PLANNING OFFICE.
FEBRUARY 1963

41
40
39
38
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36
34
MARKET ST.
LUDLOW ST.
CHESTNUT ST.
SANSOM ST.
MORAVIAN ST.
WALNUT ST.
CHANCELLOR ST.
LOCUST ST.
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SPRUCE ST.
DELANCEY ST.
PINE ST.
FREE LIBRARY OF PHILA
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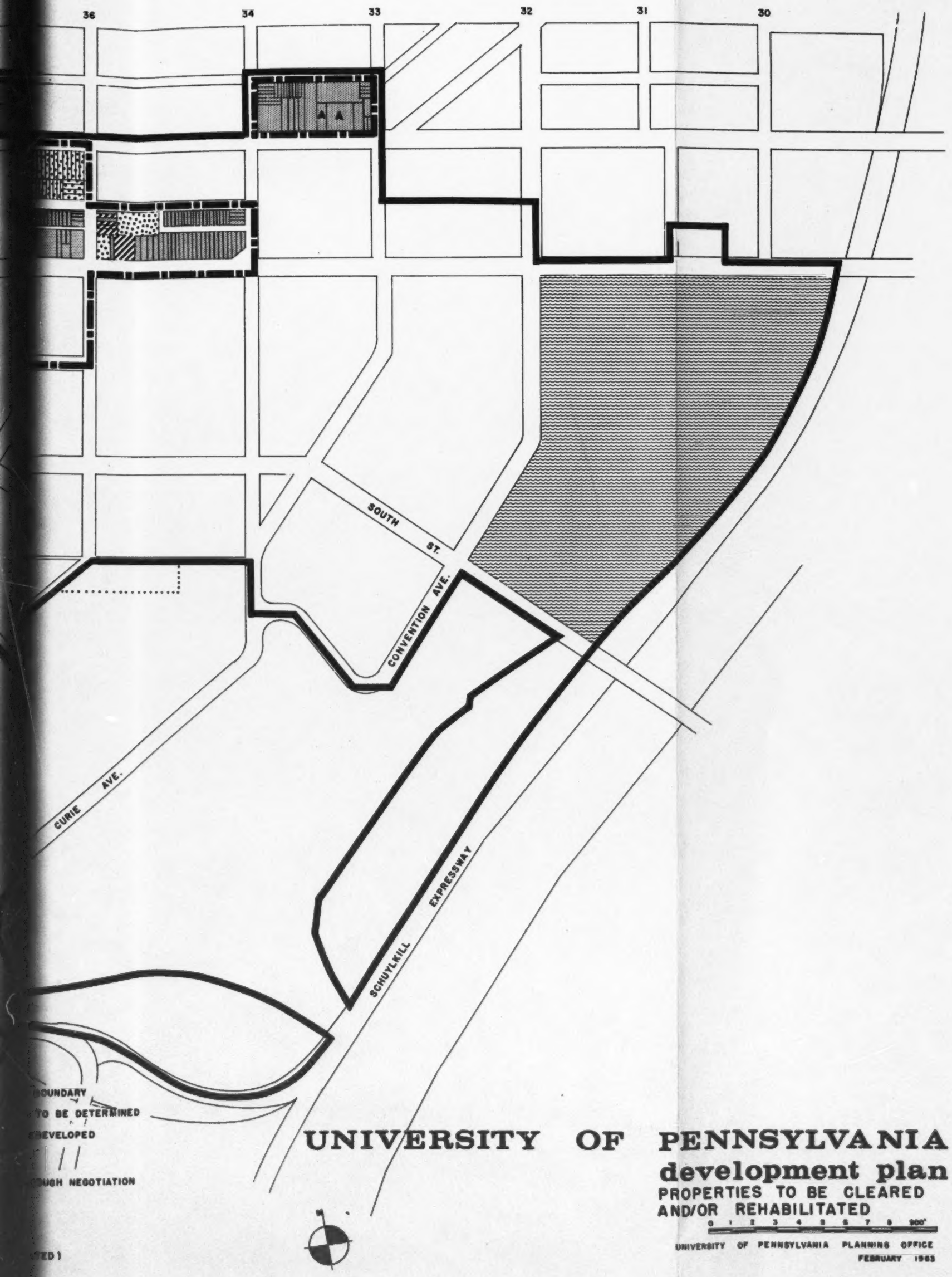
UNDER NEGOTIATION WITH CITY, EXACT BOUNDARIES TO BE DETERMINED
BOUNDARY OF THE LAND TO BE CLEARED &/OR REDEVELOPED
PROPERTIES TO BE CLEARED
INSTITUTIONAL PROPERTY TO BE ACQUIRED THROUGH NEGOTIATION
PROPERTIES TO BE REHABILITATED
VACANT LAND TO BE ACQUIRED
UNIVERSITY OWNED (NOT CLEARED OR REHABILITATED)
PROPERTIES TO BE EXCLUDED
DEVELOPMENT OF AIR RIGHTS &/OR CLEARANCE, DEPENDING UPON R.R. TRACK LOCATION



UNIVERSITY OF PENNSYLVANIA

development plan

PROPERTIES TO BE CLEARED
AND/OR REHABILITATED

0 1 2 3 4 5 6 7 8 900'

UNIVERSITY OF PENNSYLVANIA PLANNING OFFICE
FEBRUARY 1963

Office to exercise a sound guiding judgement when an exception is being considered; and, in any event, to maintain the overall Campus development standards.[1]

Land Acquisition and Street Closing

The Land Acquisition Map shows the land area that needs to be acquired and the streets that need to be closed to permit the University's expansion program to proceed on schedule.

Community and Recreational Facilities

The University of Pennsylvania's Educational Survey states that the variety of services which the University provides the general public is consistent with the University's aims and purposes. Such services include the use of University facilities (where such use does not interfere with the University's own program requirements) for community purposes.

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1. Campus development standards will be reviewed, as may be required from time to time whenever appropriate, by the University administration in cooperation with the City Planning Commission.

THE UNIVERSITY IN THE COMMUNITY

Neighborhood Deterioration

The University's Campus is ringed by blocks of residential, commercial, and industrial deterioration. The University's expansion is affected by such deterioration, and by the limitations imposed by established railroad yards and a congested, built-up, high land value urban environment.

The opportunities the University's location offers suggest the interrelated nature of Campus planning and planning for the surrounding community, and the way each needs to be used to support the other. These opportunities include:

- The opportunity to identify and coordinate the University's development program within the City of Philadelphia's master development plan and the City's dynamic urban renewal effort.

- The opportunity to recognize and use the University's needs and accomplishments as an instrument for counterattacking the spread of neighborhood blight, for conserving (wherever appropriate) neighborhood assets, and for improving (wherever necessary) neighborhood conditions.

- The opportunity to provide information and encouragement which the University's neighbors (residents and businessmen) require to make intelligent and farsighted personal judgements, and to take actions in the public interest.

As the University outlines its development for the future, the opportunities for constructive accomplishment and association in the University's community overshadow the limitations and the problems imposed upon the University by its urban location. The University is working closely with four of its sister institutions[1] in West Philadelphia to insure, for the area of immediate interest,

> "... the protection, rehabilitation and further development of residential areas enhanced by adequate schools, churches, recreational facilities and public services;
>
> ... the preservation and attraction of educational, cultural, health and professional institutions of the highest order;
>
> ... the maintenance and development of industrial and commercial enterprises and services which are compatible with the institutional and residential patterns."[2]

The University of Pennsylvania's overall planning program takes into consideration.

1. The pattern of existing land uses.

2. The location of existing and proposed community facilities and open spaces; and the manner in which the University's program requirements permits the use of its facilities by the community.

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1. Drexel Institute of Technology, Presbyterian Hospital, the Philadelphia College of Osteopathy, and the Philadelphia College of Pharmacy and Science, and the University joined in 1958 to form the West Philadelphia Corporation.
2. Excerpt from a brochure of the West Philadelphia Corporation.

3. The City of Philadelphia's Master Plan.

4. The City of Philadelphia's land use zoning program.[1]

5. The buildings and areas requiring conservation and design attention in the University area.

6. The properties to be cleared and/or rehabilitated as illustrated on the map with this title.

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1. See: Institutional Development District for University of Pennsylvania Campus, approved by the Philadelphia City Council, December 13, 1965.

D E S I G N F O R A C C O M P L I S H M E N T

Keeping the Plan Up-to-date

The University recognizes the importance of a continuing planning program.

Keeping the Plan up-to-date entails an organized and continuing staff procedure for, among other things:

1. Periodically revising the enrollment projections on the basis of University policy and other information;

2. Maintaining an up-to-date inventory of existing University building space and its use;

3. Restudying the forecast of space requirements;

4. Restudying the transportation facilities serving the Campus, including the private motor vehicle and its off-street parking requirements.

5. Restudying campus development standards.

END

DEPT. OF HEALTH

EDUCATION AND

WELFARE

U.S. OFFICE OF

EDUCATION

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